

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/658,482  
Source: IFWJ0  
Date Processed by STIC: 1/11/06

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 01/11/2006

PATENT APPLICATION: US/10/658,482

TIME: 09:29:39

Input Set : A:\P1974R1 Sequence Listing.txt

Output Set: N:\CRF4\01112006\J658482.raw

```

3 <110> APPLICANT: DARYL T. BALDWIN
4 SARAH C. BODARY
5 ANDREW C. CHAN
6 HILARY CLARK
7 JANET K. J ACKMAN
8 WILLIAM I. WOOD
10 <120> TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR THE TREATMENT OF
11 IMMUNE RELATED DISEASES
13 <130> FILE REFERENCE: P1974R1-US
15 <140> CURRENT APPLICATION NUMBER: US 10/658,482
C--> 16 <141> CURRENT FILING DATE: 2003-09-29
18 <150> PRIOR APPLICATION NUMBER: US 60/410,062
19 <151> PRIOR FILING DATE: 2002-09-11
21 <160> NUMBER OF SEQ ID NOS: 9
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 831
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
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29 cgtcctatct gcagtcggct actttcagtg gcagaagagg ccacatctgc 50
31 ttcctgtagg cctctgggc agaagcatgc gctggtgtct cctcctgatc 100
33 tgggccagg ggctgaggca ggctcccctc gcctcaggaa tgatgacagg 150
35 cacaatagaa acaacgggga acatttctgc agagaaaagg ggctctatca 200
37 tcttacaatg tcacctctcc tccaccacgg cacaagtgac ccagggtcaac 250
39 tgggagcagc aggaccagct tctggccatt tgtaatgctg acttgggggtg 300
41 gcacatctcc ccattcctca aggatcgagt ggccccagggt cccggcctgg 350
43 gcctcaccct ccagtcgctg accgtgaacg atacagggga gtacttctgc 400
45 atctatcaca cctaccctga tgggacgtac actgggagaa tcttcctgga 450
47 ggtcctagaa agctcagtgg ctgagcacgg tgccagggttc cagattccat 500
49 tgcttgagc catggccgcg acgctgggtg tcatctgcac agcagtcac 550
51 gtggtggtcg cggtgactag aaagaagaaa gccctcagaa tccattctgt 600
53 ggaagggtgac ctcaggagaa aatcagctgg acaggaggaa tggagcccca 650
55 gtgctccctc acccccagga agctgtgtcc aggcagaagc tgcacctgct 700
57 gggctctgtg gagagcagcg gggagaggac tgtgccgagc tgcattgacta 750
59 cttcaatgtc ctgagttaca gaagcctggg taactgcagc ttcttcacag 800
61 agactgggta gcaaccagag gcattctctg g 831
63 <210> SEQ ID NO: 2
64 <211> LENGTH: 244
65 <212> TYPE: PRT
66 <213> ORGANISM: Homo sapiens
68 <400> SEQUENCE: 2
69 Met Arg Trp Cys Leu Leu Leu Ile Trp Ala Gln Gly Leu Arg Gln
70 1 5 10 15

```

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72  Ala Pro Leu Ala Ser Gly Met Met Thr Gly Thr Ile Glu Thr Thr
73              20              25              30
75  Gly Asn Ile Ser Ala Glu Lys Gly Gly Ser Ile Ile Leu Gln Cys
76              35              40              45
78  His Leu Ser Ser Thr Thr Ala Gln Val Thr Gln Val Asn Trp Glu
79              50              55              60
81  Gln Gln Asp Gln Leu Leu Ala Ile Cys Asn Ala Asp Leu Gly Trp
82              65              70              75
84  His Ile Ser Pro Ser Phe Lys Asp Arg Val Ala Pro Gly Pro Gly
85              80              85              90
87  Leu Gly Leu Thr Leu Gln Ser Leu Thr Val Asn Asp Thr Gly Glu
88              95             100             105
90  Tyr Phe Cys Ile Tyr His Thr Tyr Pro Asp Gly Thr Tyr Thr Gly
91             110             115             120
93  Arg Ile Phe Leu Glu Val Leu Glu Ser Ser Val Ala Glu His Gly
94             125             130             135
96  Ala Arg Phe Gln Ile Pro Leu Leu Gly Ala Met Ala Ala Thr Leu
97             140             145             150
99  Val Val Ile Cys Thr Ala Val Ile Val Val Val Ala Leu Thr Arg
100            155             160             165
102 Lys Lys Lys Ala Leu Arg Ile His Ser Val Glu Gly Asp Leu Arg
103            170             175             180
105 Arg Lys Ser Ala Gly Gln Glu Glu Trp Ser Pro Ser Ala Pro Ser
106            185             190             195
108 Pro Pro Gly Ser Cys Val Gln Ala Glu Ala Ala Pro Ala Gly Leu
109            200             205             210
111 Cys Gly Glu Gln Arg Gly Glu Asp Cys Ala Glu Leu His Asp Tyr
112            215             220             225
114 Phe Asn Val Leu Ser Tyr Arg Ser Leu Gly Asn Cys Ser Phe Phe
115            230             235             240
117 Thr Glu Thr Gly
120 <210> SEQ ID NO: 3
121 <211> LENGTH: 1006
122 <212> TYPE: DNA
123 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 3
126 gccagtttca gttggaggag aggccacatc cactttgctg taggcctctg 50
128 gttagaagca tgcattggctg gctgctcctg gtctgggtcc aggggctgat 100
130 acaggctgcc ttctcgcta caggagccac agcaggcacg atagatacaa 150
132 agaggaacat ctctgcagag gaagggtggct ctgtcatctt acagtgtcac 200
134 ttctcctctg acacagctga agtgacccaa gtcgactgga agcagcagga 250
136 ccagcttctg gccatttata gtgttgacct ggggtggcat gtcgcttcag 300
138 tcttcagtga tgggtggtc ccaggcccca gcctaggcct caccttcag 350
140 tctctgacaa tgaatgacac gggagagtac ttctgtacct atcatacgta 400
142 tcttggtggg atttacaagg ggagaatatt cctgaaggtc caagaaagct 450
144 cagtggctca gttccagact gccccgcttg gaggaaccat ggctgctgtg 500
146 ctgggactca tttgcttaat ggtcacagga gtgactgtac tggctagaaa 550
148 gaagtctatt agaatgcatt ctatagaaag tggccttggg agaacagaag 600
150 cggagccaca ggaatggaac ctgaggagtc tctcatcccc tggaagccct 650

```

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```

152  gtccagacac aaactgcccc tgctgggtccc tgtggagagc aggcagaaga 700
154  tgactatgct gacccacagg aatactttaa tgcctgagc tacagaagcc 750
156  tagagagctt cattgctgta tcgaagactg gctaacgaca gctctctatc 800
158  cctctcccta tgtctctctc tctgtctctc tctgtctctc tctgtctctg 850
160  tctctgtctc tgtctctctc tctctctctc tctctctctc tgtgtgtgtg 900
162  tgtgtgtatg tgtgtataca tcattaatgt tcattaacac taactgcata 950
164  tgggtggagga ccaggaaata aaagtttgtg ttgctaataa aattaagtgc 1000
166  taactt 1006
168 <210> SEQ ID NO: 4
169 <211> LENGTH: 241
170 <212> TYPE: PRT
171 <213> ORGANISM: Homo sapiens
173 <400> SEQUENCE: 4
174  Met His Gly Trp Leu Leu Leu Val Trp Val Gln Gly Leu Ile Gln
175      1          5          10          15
177  Ala Ala Phe Leu Ala Thr Gly Ala Thr Ala Gly Thr Ile Asp Thr
178      20          25          30
180  Lys Arg Asn Ile Ser Ala Glu Glu Gly Gly Ser Val Ile Leu Gln
181      35          40          45
183  Cys His Phe Ser Ser Asp Thr Ala Glu Val Thr Gln Val Asp Trp
184      50          55          60
186  Lys Gln Gln Asp Gln Leu Leu Ala Ile Tyr Ser Val Asp Leu Gly
187      65          70          75
189  Trp His Val Ala Ser Val Phe Ser Asp Arg Val Val Pro Gly Pro
190      80          85          90
192  Ser Leu Gly Leu Thr Phe Gln Ser Leu Thr Met Asn Asp Thr Gly
193      95         100         105
195  Glu Tyr Phe Cys Thr Tyr His Thr Tyr Pro Gly Gly Ile Tyr Lys
196     110         115         120
198  Gly Arg Ile Phe Leu Lys Val Gln Glu Ser Ser Val Ala Gln Phe
199     125         130         135
201  Gln Thr Ala Pro Leu Gly Gly Thr Met Ala Ala Val Leu Gly Leu
202     140         145         150
204  Ile Cys Leu Met Val Thr Gly Val Thr Val Leu Ala Arg Lys Lys
205     155         160         165
207  Ser Ile Arg Met His Ser Ile Glu Ser Gly Leu Gly Arg Thr Glu
208     170         175         180
210  Ala Glu Pro Gln Glu Trp Asn Leu Arg Ser Leu Ser Ser Pro Gly
211     185         190         195
213  Ser Pro Val Gln Thr Gln Thr Ala Pro Ala Gly Pro Cys Gly Glu
214     200         205         210
216  Gln Ala Glu Asp Asp Tyr Ala Asp Pro Gln Glu Tyr Phe Asn Val
217     215         220         225
219  Leu Ser Tyr Arg Ser Leu Glu Ser Phe Ile Ala Val Ser Lys Thr
220     230         235         240
222  Gly
225 <210> SEQ ID NO: 5
226 <211> LENGTH: 27
227 <212> TYPE: DNA

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Input Set : A:\P1974R1 Sequence Listing.txt

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228 <213> ORGANISM: Artificial sequence  
230 <220> FEATURE:  
231 <223> OTHER INFORMATION: oligonucleotide probe - forward primer  
233 <400> SEQUENCE: 5  
234 cgctctatct gcagtcggct actttca 27  
236 <210> SEQ ID NO: 6  
237 <211> LENGTH: 27  
238 <212> TYPE: DNA  
239 <213> ORGANISM: Artificial sequence  
241 <220> FEATURE:  
242 <223> OTHER INFORMATION: oligonucleotide probe - reverse primer  
244 <400> SEQUENCE: 6  
245 ccagaagatg cctctggttg ctaacca 27  
247 <210> SEQ ID NO: 7  
248 <211> LENGTH: 29  
249 <212> TYPE: DNA  
250 <213> ORGANISM: Artificial sequence  
252 <220> FEATURE:  
253 <223> OTHER INFORMATION: oligonucleotide probe - forward primer  
255 <400> SEQUENCE: 7  
256 caggaccagc ttctggccat ttatagtgt 29  
258 <210> SEQ ID NO: 8  
259 <211> LENGTH: 26  
260 <212> TYPE: DNA  
261 <213> ORGANISM: Artificial sequence  
263 <220> FEATURE:  
264 <223> OTHER INFORMATION: oligonucleotide probe - reverse primer  
266 <400> SEQUENCE: 8  
267 ctgcttccag tcgacttggg tcactt 26  
269 <210> SEQ ID NO: 9  
270 <211> LENGTH: 46  
271 <212> TYPE: DNA  
272 <213> ORGANISM: Artificial sequence  
274 <220> FEATURE:  
275 <223> OTHER INFORMATION: oligonucleotide probe  
277 <400> SEQUENCE: 9  
278 cctggtggga ttacaaggg gagaatattc ctgaagggtcc aagaaa 46

VERIFICATION SUMMARY

DATE: 01/11/2006

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Input Set : A:\P1974R1 Sequence Listing.txt

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L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date